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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 40296-0011

First Inventor Hee Bok KANG

Title Layout of Ferroelectric Memory Device

Express Mail Label No.

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification (Total Pages 38)  
(preferred arrangement set forth below)
- Descriptive title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) (Total Sheets 23)
5. Oath or Declaration (Total Pages 3)
- a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☒ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76.

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ I \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label(Insert  bar code label here)or ☐ Correspondence address below

Name

26633

PATENT TRANSMITTAL FORM

Address

City

State

Zip Code

Country

Telephone

Fax

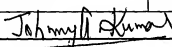
Name (Print/Type)

Johnny A. Kumar

Registration No. (Attorney/Agent)

34,649

Signature



Date

June 30, 2003

01400 U.S. PTO

10/608467

06/30/03

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 790.00)

## Complete if Known

|                      |                  |
|----------------------|------------------|
| Application Number   | Unassigned       |
| Filing Date          | June 30, 2003    |
| First Named Inventor | Hee Bok KANG     |
| Examiner Name        | Unassigned       |
| Art Unit             | Unassigned 26633 |
| Attorney Docket No.  | 40296-0011       |

## METHOD OF PAYMENT (check one)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number 08-1641 (docket number 40296-0011)

Deposit Account Name HELLER EHRMAN WHITE & McAULIFFE

The Commissioner is authorized to: (check all that apply)

- ☐ Charge fee(s) indicated below ☐ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 1001           | 750             | 2001           | 375             | Utility filing fee     | 750      |
| 1002           | 330             | 2002           | 165             | Design filing fee      |          |
| 1003           | 520             | 2003           | 260             | Plant filing fee       |          |
| 1004           | 750             | 2004           | 375             | Reissue filing fee     |          |
| 1005           | 160             | 2005           | 80              | Provisional filing fee |          |
| SUBTOTAL (1)   |                 |                |                 |                        | (\$ 750) |

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

|                    |                    | Extra Claims   |                 | Fee from below  |      | Fee Paid |
|--------------------|--------------------|----------------|-----------------|---|------|----------|
| Total Claims       | Independent Claims | 20**           | 3**             | 0   | 84   |          |
| 20                 | 1                  | 0              | 3               | 0   | 84   |          |
| Multiple Dependent |                    |                |                 |   |      |          |
| Large Fee Code     | Entity Fee (\$)    | Small Fee Code | Entity Fee (\$) | Fee Description   |      |          |
| 1202               | 18                 | 2202           | 9               | Claims in excess of 20                                    |      |          |
| 1201               | 84                 | 2201           | 42              | Independent claims in excess of 3                         |      |          |
| 1203               | 280                | 2203           | 140             | Multiple dependent claim, if not paid                     |      |          |
| 1204               | 84                 | 2204           | 42              | **Reissue independent claims over original patent         |      |          |
| 1205               | 18                 | 2205           | 9               | **Reissue claims in excess of 20 and over original patent |      |          |
| SUBTOTAL (2)       |                    |                |                 |   | (\$) |          |

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Fee Code      | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description  | Fee Paid  |
|---------------------|-----------------|----------------|-----------------|--|-----------|
| 1051                | 130             | 2051           | 65              | Surcharge - late filing fee or oath  |           |
| 1052                | 50              | 2052           | 25              | Surcharge - late provisional filing fee or cover sheet                     |           |
| 1053                | 130             | 1053           | 130             | Non-English specification  |           |
| 1812                | 2,520           | 1812           | 2,520           | For filing a request for <i>ex parte</i> reexamination                     |           |
| 1804                | 920*            | 1804           | 920*            | Requesting publication of SIR prior to Examiner action                     |           |
| 1805                | 1,840*          | 1805           | 1,840*          | Requesting publication of SIR after Examiner action                        |           |
| 1251                | 110             | 2251           | 55              | Extension for reply within first month                                     |           |
| 1252                | 410             | 2252           | 205             | Extension for reply within second month                                    |           |
| 1253                | 930             | 2253           | 465             | Extension for reply within third month                                     |           |
| 1254                | 1,450           | 2254           | 725             | Extension for reply within fourth month                                    |           |
| 1255                | 1,970           | 2255           | 985             | Extension for reply within fifth month                                     |           |
| 1401                | 320             | 2401           | 160             | Notice of Appeal   |           |
| 1402                | 320             | 2402           | 160             | Filing a brief in support of an appeal                                     |           |
| 1403                | 280             | 2403           | 140             | Request for oral hearing   |           |
| 1451                | 1,510           | 1451           | 1,510           | Petition to institute a public use proceeding                              |           |
| 1452                | 110             | 2452           | 55              | Petition to revive - unavoidable   |           |
| 1453                | 1,300           | 2453           | 650             | Petition to revive - unintentional   |           |
| 1501                | 1,300           | 2501           | 650             | Utility issue fee (or reissue)   |           |
| 1502                | 470             | 2502           | 235             | Design issue fee   |           |
| 1503                | 630             | 2503           | 315             | Plant issue fee  |           |
| 1460                | 130             | 1460           | 130             | Petitions to the Commissioner  |           |
| 1807                | 50              | 1807           | 50              | Processing fee under 37 CFR 1.17(a)  |           |
| 1806                | 180             | 1806           | 180             | Submission of Information Disclosure Sheet                                 |           |
| 8021                | 40              | 8021           | 40              | Recording each patent assignment per property (times number of properties) | 40        |
| 1809                | 750             | 2809           | 375             | Filing a submission after final rejection (37 CFR 1.129(a))                |           |
| 1810                | 750             | 2810           | 375             | For each additional invention to be examined (37 CFR 1.129(b))             |           |
| 1801                | 750             | 2801           | 375             | Request for Continued Examination (RCE)                                    |           |
| 1802                | 900             | 1802           | 900             | Request for expedited examination of a design application                  |           |
| Other fee (specify) |                 |                |                 |  |           |
| SUBTOTAL (3)        |                 |                |                 |  | (\$40.00) |

\* Reduced by Basic Filing Fee Paid

## SUBMITTED BY

Name (Print/Type) Johnny A. Kumar

Signature

Johnny A. Kumar

Registration No. (Attorney/Agent)

34,649

Date

June 30, 2003

## Complete (if applicable)

Telephone 202.912.2000